Index of Claims

| Δ | nni | ica | tion | $\sim$ | ntra  | IN | ^  |
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| _ | PPI | ica | uvi  | CO     | 11110 |    | v. |

10/660,184 Examiner

Applicant(s)/Patent under Reexamination

KIRKMAN ET AL.

Art Unit

Michael D. Pham

2167

| x  | Rejected |
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| 11 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| Z | Non-Elected  |
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| 1 | Interference |

| A | Appeal   |
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| 0 | Objected |

| Cla      | im       | Date     |          |          |              |  | 1            | Claim Date   |              |          |   |          |          |               |          | $\neg$  |     |        |          |          |              |   |
|----------|----------|----------|----------|----------|--------------|--|--------------|--------------|--------------|----------|---|----------|----------|---------------|----------|---------|-----|--------|----------|----------|--------------|---|
|          |          |          |          |          | r i          |  |              |              | Г            |          |   |          |          | Т             | Т        | Т       | Ī   |        |          |          |              | П |
| <u>a</u> | Original | 3/13/06  |          |          |              |  |              |              |              |          |   | ā        | Original |               |          | -       | - 1 |        |          |          |              |   |
| Final    | rig      | /13      |          |          | l            |  |              |              |              |          |   | Final    | rig      |               |          | -       |     | -      |          |          |              |   |
| -        | 0        | E.       |          |          | l            |  |              |              |              |          |   | _        | 0        |               |          | -       | -   |        |          |          |              |   |
|          | 1        | x        |          |          | ┈            | <del>                                     </del> | $\vdash$     |              | ┢            |          |   |          | 51       | $\vdash$      | 十        | 十       | 1   |        |          |          |              |   |
|          | 2        | х        |          |          | _            |  |              |              | $\vdash$     | _        |   |          | 52       |               | 十        | +       | 7   | $\neg$ |          |          | П            |   |
| $\vdash$ | 3        | X        |          |          | ┢            |  |              |              | Н            | _        |   |          | 53       | $\vdash$      | 1        | +       | ┪   |        |          |          | П            | П |
| $\vdash$ | 4        | x        |          |          | Н            |  | _            |              | $\vdash$     |          |   |          | 54       | H             | +        | +       | 7   | _      |          |          | П            | П |
|          | 5        | х        |          |          |              |  |              |              |              |          |   |          | 55       |               | $\top$   | $\top$  | 7   |        |          |          |              | П |
|          | 6        | х        |          |          | Г            | Г  |              |              | _            |          |   |          | 56       |               | 1        | 1       | T   |        |          |          |              | П |
|          | 7        | x        |          |          |              |  |              |              |              |          | ĺ |          | 57       |               |          | 1       | ┪   |        |          |          |              | П |
|          | 8        | x        |          |          | Τ            |  |              |              |              |          | ĺ |          | 58       | П             | $\top$   | $\top$  | ╗   |        |          |          |              | П |
|          | 9        | х        | _        |          |              |  |              | $\vdash$     |              |          | ١ |          | 59       | П             | 7        | _       | ╗   | _      |          |          | П            | П |
|          | 10       |          |          |          | Τ            |  |              | Г            |              |          |   |          | 60       | $\Box$        | T        | $\neg$  |     |        |          |          |              | П |
|          | 11       |          |          |          |              | Г  |              |              | Г            |          |   |          | 61       |               | T        | $\top$  | 目   |        |          |          |              | П |
|          | 12       | $\Box$   |          |          | Г            | Г  | Π            |              | Γ            |          |   |          | 62       |               | 寸        | 丁       | 7   |        |          |          | П            | П |
|          | 13       |          |          |          |              |  |              |              |              |          |   |          | 63       |               | $\Box$   | T       |     |        |          |          |              |   |
|          | 14       |          |          |          | Γ            | $\Box$   |              |              | Γ            | Г        |   |          | 64       |               | T        | T       |     |        |          |          |              |   |
|          | 15       |          |          |          |              |  |              |              | П            |          | 1 |          | 65       |               |          |         | ٦   |        |          | Г        |              | П |
|          | 16       |          |          |          |              |  |              |              |              |          | ] |          | 66       |               |          | _       |     |        |          |          |              |   |
|          | 17       |          |          |          | Г            |  |              |              |              | Г        | l |          | 67       |               | T        |         |     |        |          |          |              |   |
|          | 18       |          |          | Г        |              |  |              |              |              |          |   |          | 68       | П             | П        | Т       |     |        |          |          |              |   |
|          | 19       |          |          |          | Г            |  |              |              |              |          | 1 |          | 69       | П             | T        | T       |     |        |          |          |              |   |
|          | 20       |          |          | Γ        | Г            |  |              |              |              |          |   |          | 70       |               | П        |         | Ī   |        |          |          |              |   |
|          | 21       |          |          | Г        |              | Г  |              |              | Г            |          |   |          | 71       |               |          | $\top$  |     |        |          |          |              |   |
|          | 22       |          |          | Г        |              | Г  |              |              |              |          |   |          | 72       |               |          |         |     |        |          |          |              |   |
|          | 23       |          |          |          | -            |  |              |              |              |          |   |          | 73       |               |          |         |     |        |          |          |              |   |
|          | 24       |          |          |          |              |  |              |              | Г            |          |   |          | 74       |               |          | П       |     |        |          |          |              |   |
|          | 25       |          |          |          |              |  |              |              |              |          | ] |          | 75       |               |          |         |     |        |          |          |              |   |
|          | 26       |          |          |          |              |  |              |              |              |          |   |          | 76       |               |          |         |     |        |          |          |              |   |
|          | 27       |          |          |          |              |  |              |              |              |          |   |          | 77       |               |          |         |     |        |          |          |              |   |
|          | 28       |          |          |          |              |  |              |              |              |          |   |          | 78       |               |          |         |     |        |          |          |              |   |
|          | 29       |          |          |          |              |  |              |              |              |          |   |          | 79       |               |          |         |     |        |          |          |              |   |
|          | 30       |          |          |          |              |  |              |              |              |          |   |          | 80       |               |          |         |     |        |          | <u> </u> |              | Ш |
|          | 31       |          |          |          |              |  |              |              |              |          | ] |          | 81       |               |          |         |     |        |          |          |              |   |
|          | 32       |          |          |          |              |  |              | L            | L            |          |   |          | 82       |               |          |         |     |        |          |          |              |   |
|          | 33       |          |          |          | L            | 乚  |              |              |              |          |   |          | 83       | $\sqcup$      | $\perp$  | $\perp$ | _   |        |          | <u>_</u> |              | Ш |
|          | 34       |          | 匚        |          |              | 匚  |              |              | _            | <u> </u> | 1 |          | 84       |               | $\perp$  | $\perp$ | _   |        | L        | _        | L_           | Ш |
|          | 35       |          | <u> </u> | <u> </u> | _            | L  | <u> </u>     |              | oxdot        | <u> </u> |   | _        | 85       | $\sqcup$      | $\dashv$ | 4       | _   |        | <u> </u> | _        | L            | Ш |
|          | 36       |          |          |          |              |  | _            | _            | ┕            | <u> </u> |   |          | 86       | $\sqcup$      | _        | $\perp$ | _   |        | <u> </u> | _        | _            | Ш |
|          | 37       |          | Ш        | <u> </u> | <u></u>      | _  | _            | <u> </u>     | <u>_</u>     | _        |   |          | 87       | $\sqcup$      | $\perp$  | $\perp$ | _   |        | <u> </u> | <u> </u> | $\vdash$     | Ш |
| <u></u>  | 38       |          | _        | _        |              | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              |              | <u> </u>     | L_           |          |   |          | 88       | $\sqcup$      | $\perp$  | $\perp$ |     |        | _        | <u> </u> | _            | Ш |
| <u></u>  | 39       |          | _        | 匚        | <u>L</u> .   |  | L_           | <u> </u>     | L_           | <u> </u> |   |          | 89       | $\sqcup$      | $\perp$  | 4       |     |        | <u> </u> | L        | $oxed{oxed}$ | Ш |
| <u></u>  | 40       | _        | _        | _        | _            | _  | _            | <u> </u>     | oxdot        | _        | ' |          | 90       | $\sqcup \bot$ | _        | $\perp$ |     |        | L        | <u> </u> | $\perp$      | Ш |
|          | 41       |          | _        | <u></u>  | L.           | L  |              | <u> </u>     | <u> </u>     | <u> </u> | , |          | 91       |               | _        | $\perp$ | _   |        | <u> </u> | _        |              | Ш |
|          | 42       |          | <u> </u> | <u></u>  | _            |  | <u> </u>     | $oxed{oxed}$ | L.           | <u> </u> | l |          | 92       | $\sqcup$      | _        | 4       |     |        | L_       | <u> </u> | oxdot        | Ш |
|          | 43       |          |          |          | <u> </u>     | _  | <u> </u>     | _            | _            |          | l |          | 93       | $\sqcup \bot$ | $\perp$  | $\perp$ |     |        | <u> </u> | <u> </u> | <u> </u>     | Ш |
|          | 44       | <u> </u> |          | _        | _            | _  | <u> </u>     | <u> </u>     | L            | _        | l |          | 94       | $\sqcup$      | _        | _       |     |        | L        | L_       | Ш            | Ш |
|          | 45       | _        |          | <u> </u> | L_           | $oxed{oxed}$                                     | $oxed{oxed}$ | L            | <u> </u>     | <u> </u> | ļ |          | 95       | $\sqcup$      | _ -      | 4       | _   | _      | <u> </u> | <u> </u> | oxdot        | Ш |
| <u></u>  | 46       | <u></u>  | _        | <u></u>  | <u> </u>     | <u> </u>   | <u> </u>     | L            | $oxed{oxed}$ |          |   |          | 96       | $\sqcup \bot$ | 4        | 1       | _   |        |          |          | L            |   |
|          | 47       | <u>_</u> | <u> </u> | _        |              | L  | _            |              | L            | L_       | 1 |          | 97       | $\sqcup \bot$ | 4        | _       |     |        | <u> </u> | <u></u>  | <u> </u>     | Ш |
|          | 48       | <u>_</u> | <u>_</u> | <u> </u> | <u></u>      | <u> </u>   | _            | _            | 丄            | _        |   |          | 98       | $\sqcup$      | _        | 4       | _   |        |          | Щ        | <u> </u>     | Щ |
|          | 49       | _        | _        | _        | $oxed{oxed}$ | <u> </u>   | _            | _            | <u> </u>     | L_       | 1 | <u> </u> | 99       | $\sqcup$      | $\dashv$ | 4       | Ц   |        | _        | <u> </u> | L            | Ш |
|          | 50       | <u> </u> |          | <u> </u> | <u> </u>     |  | <u></u>      | <u> </u>     | 1            | L_       | ] |          | 100      | $\coprod$     |          |         |     |        |          | Щ        | Щ            | Ш |

| Cla         | aim            | Date   |  |              |          |  |  |  |  |              |  |  |
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| ίĽ          | O              |  |  |              |          |  |  |  |  |              |  |  |
|             | 51             |  |  |              |          |  |  |  |  |              |  |  |
|             | 52             |  |  |              |          |  |  |  |  |              |  |  |
|             | 53             |  |  |              |          |  |  |  |  |              |  |  |
|             | 54             |  |  |              |          |  |  |  |  |              |  |  |
|             | 54<br>55       |  |  |              | _        |  |  |  |  | _            |  |  |
|             | 56             | -  | $\vdash$   |              |          |  |  |  |  | _            |  |  |
| -           | 57             |  |  | $\vdash$     | $\vdash$ |  | $\vdash$   | -  |  | _            |  |  |
|             | 58             | _  | -  | $\vdash$     |          |  |  |  |  |              |  |  |
|             | 59             | _  | -  | $\vdash$     |          | -  |  |  |  | -            |  |  |
| $\vdash$    | 60             | _  |  | Н            |          | _  | -  |  |  | _            |  |  |
|             | 61             | _  | $\vdash$   | $\vdash$     |          | _  |  | _  |  |              |  |  |
| -           | 62             | <u> </u>   | $\vdash$   | <u> </u>     |          |  | H  |  | _  |              |  |  |
| <del></del> | 62<br>63       | $\vdash$   | $\vdash$   | Н            |          |  | -  | $\vdash$   |  | _            |  |  |
| -           | 64             |  | H  | Н            |          | $\vdash$   | Н  | -  | Н  | _            |  |  |
|             | 64<br>65       | $\vdash$   | H  | Н            |          | -  | -  | $\vdash$   | H  |              |  |  |
| -           | 66             | ⊢  | <del> </del>                                     | $\vdash$     | _        |  |  |  |  |              |  |  |
| -           | 67             | _  |  |              |          |  |  |  | _  |              |  |  |
| -           | 68             | ┝  |  | H            |          |  | _  | _  | -  |              |  |  |
|             | 69             | _  | $\vdash$   |              |          | -  |  |  | _  |              |  |  |
|             | 70             |  | H  | Н            | _        | _  | $\vdash$   |  | _  |              |  |  |
| -           | 70             | -  |  | $\vdash$     | _        | _  | -  | _  | _  |              |  |  |
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| -           | 72             |  | -  | $\vdash$     | $\vdash$ | _  | -  | $\vdash$   | $\vdash$   |              |  |  |
| -           | 73<br>74       | -  | -  | $\vdash$     | _        | -  | -  |  |  | _            |  |  |
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| -           | 78<br>79       | $\vdash$   | -  | -            |          | _  |  | $\vdash$   |  | $\vdash$     |  |  |
|             | 80             | ┢  |  | H            |          |  | $\vdash$   | -  | -  | <del> </del> |  |  |
|             | 81             | ┝  | $\vdash$   | H            | _        | H  | -  | $\vdash$   | $\vdash$   | -            |  |  |
| <b>—</b>    | 81<br>82       | ├  | <del> </del>                                     | $\vdash$     | _        | -  | -  | $\vdash$   | $\vdash$   | <u> </u>     |  |  |
|             | 83             | $\vdash$   | -  | -            |          | ┝  | -  | $\vdash$   | -  | <del> </del> |  |  |
| <b></b>     | 84             | $\vdash$   | $\vdash$   |              | Н        | $\vdash$   | $\vdash$   | $\vdash$   | <u> </u>   | $\vdash$     |  |  |
| <b>-</b>    | 85             | <del>                                     </del> | -  |              | $\vdash$ | _  | -  | -  | -  | $\vdash$     |  |  |
| -           | 86             | <del>                                     </del> | -  | $\vdash$     | $\vdash$ | -  | -  | -  | $\vdash$   | $\vdash$     |  |  |
|             | 87             | ┝  | $\vdash$   | $\vdash$     |          | <del> </del>                                     | -  | <del>                                     </del> | $\vdash$   | $\vdash$     |  |  |
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|             | 89             | $\vdash$   | 一  | <del> </del> | -        | <del>                                     </del> | <del>                                     </del> | $\vdash$   | _  | $\vdash$     |  |  |
| -           | 90             | $\vdash$   | <del>                                     </del> |              | _        | $\vdash$   | $\vdash$   |  | $\vdash$   | $\vdash$     |  |  |
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|             | 93             | <del>                                     </del> |  |              |          | -  |  |  | $\vdash$   | <u> </u>     |  |  |
|             | 94             | <u> </u>   |  |              | -        | $\vdash$   |  | $\vdash$   | <del>                                     </del> | Г            |  |  |
|             | 95             | <u> </u>   | <del>                                     </del> |              | _        |  | <u> </u>   | <u> </u>   |  |              |  |  |
|             | 96             | $I^-$  | $\vdash$   |              | $\vdash$ | $\vdash$   | Т  | <u> </u>   | Г  |              |  |  |
|             | 97             | <b>-</b>   |  |              |          |  |  |  |  |              |  |  |
|             | 98             | t  |  | $\vdash$     | $\vdash$ | <del>                                     </del> |  |  | _  |              |  |  |
|             | 99             |  |  | Г            |          | <u> </u>   | _  |  |  |              |  |  |
| $\vdash$    | 100            | Η-   | $\vdash$   | $\vdash$     | $\vdash$ | Ι-   | $\vdash$   | $\vdash$   | $\vdash$   | _            |  |  |

| Cli          | aim               | Date         |              |              |          |              |  |              |              |              |  |  |
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|              |                   |              |              |              |          |              |  |              |              |              |  |  |
| Final        | Original          |              |              |              |          |              |  |              |              |              |  |  |
|              | 101               |              |              |              |          |              |  |              |              |              |  |  |
|              | 102               |              |              |              |          |              |  |              |              |              |  |  |
|              | 103               |              |              |              |          |              |  |              |              |              |  |  |
|              | 104               |              |              |              |          |              |  |              |              |              |  |  |
|              | 105               |              |              | _            |          |              |  |              |              |              |  |  |
|              | 106               |              |              | <u> </u>     |          |              |  |              |              | Щ            |  |  |
|              | 107               |              | _            |              |          |              |  |              |              | _            |  |  |
|              | 108               | _            | _            | Щ            |          |              |  |              | _            | -            |  |  |
|              | 109               | _            | <u> </u>     | H            | _        |              | _  |              |              | _            |  |  |
| -            | 110<br>111        |              | ┝            |              |          | _            |  |              |              |              |  |  |
| <b></b>      | 112               | $\vdash$     | $\vdash$     | $\vdash$     | -        | $\vdash$     | $\vdash$   | -            |              | $\vdash$     |  |  |
| $\vdash$     | 113               | $\vdash$     | $\vdash$     | -            | $\vdash$ |              | Н  | _            | -            | -            |  |  |
| <del> </del> | 113<br>114<br>115 | $\vdash$     | $\vdash$     | $\vdash$     | Н        | $\vdash$     | -  | -            |              | $\vdash$     |  |  |
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|              | 116               | _            |              |              |          |              |  |              |              |              |  |  |
|              | 117               |              |              |              |          |              |  |              |              |              |  |  |
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| <u> </u>     | 125               | <u> </u>     |              | <u> </u>     | <u> </u> | ļ            | <u> </u>   | <u> </u>     |              |              |  |  |
|              | 126<br>127<br>128 | <u> </u>     | _            | _            |          | ├—           | <u> </u>   |              | ├            |              |  |  |
| <u> </u>     | 127               | ⊢            | <del> </del> | <del> </del> | ⊢        |              |  | _            | ⊢            | _            |  |  |
|              | 120               | -            | ├            | $\vdash$     | ⊢        | ┝            | _  | —            | -            | _            |  |  |
| ├──          | 129<br>130<br>131 | ├            | <del> </del> | $\vdash$     | ┝        | ⊢            | -  | $\vdash$     | ┝            |              |  |  |
| -            | 131               | $\vdash$     |              | $\vdash$     | ┝        | ├─           | $\vdash$   | ┝            | ┝            | -            |  |  |
|              | 132               | $\vdash$     | _            | $\vdash$     | H        |              | <u> </u>   | _            | $\vdash$     | -            |  |  |
|              | 132<br>133        |              |              | $\vdash$     | ┢        | $\vdash$     | $\vdash$   | $\vdash$     | Г            |              |  |  |
|              | 134               | _            | $\vdash$     | $\vdash$     |          |              |  |              |              |              |  |  |
|              | 135               |              |              | П            | Г        |              |  |              |              |              |  |  |
|              | 136               |              |              |              |          |              |  |              |              |              |  |  |
|              | 137               |              |              |              |          |              |  |              |              | L            |  |  |
|              | 138               | L_           | L            | _            |          | _            | _  | _            | _            | _            |  |  |
|              | 139               |              | _            | _            |          | _            |  | _            | _            | _            |  |  |
|              | 140               | _            | ļ            |              | <u> </u> | <u> </u>     | _  | _            | _            | <u> </u>     |  |  |
|              | 141               |              | <u> </u>     | _            |          | _            | _  | <u> </u>     | _            | <u> </u>     |  |  |
|              | 142               | <u> </u>     | $\vdash$     | ├            | ├_       | <u> </u>     | ⊢  | <u> </u>     | $\vdash$     |              |  |  |
| <u> </u>     | 143               | ⊢            | <del> </del> |              |          | <del> </del> | ⊢  | <del> </del> | <del> </del> | <del> </del> |  |  |
|              | 144<br>145        | <del> </del> | ⊢            |              | ├-       | $\vdash$     | ├  | $\vdash$     | $\vdash$     | $\vdash$     |  |  |
|              | 145               | ├-           | -            | ├—           | $\vdash$ | ├            |  | $\vdash$     | $\vdash$     | ⊢            |  |  |
| -            | 147               | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$     | -  | $\vdash$     | $\vdash$     | <del> </del> |  |  |
| <del></del>  | 148               | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$ | ├─           | <del>                                     </del> | -            | ┝            | -            |  |  |
| $\vdash$     | 149               | H            |              |              | H        | -            | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$     |  |  |
|              | 150               | $\vdash$     | 1            | $\vdash$     | $\vdash$ | <u> </u>     | $t^-$  | T            | $\vdash$     | $\vdash$     |  |  |
|              |                   |              |              | ь            |          | _            |  | Ь            | ۰            |              |  |  |